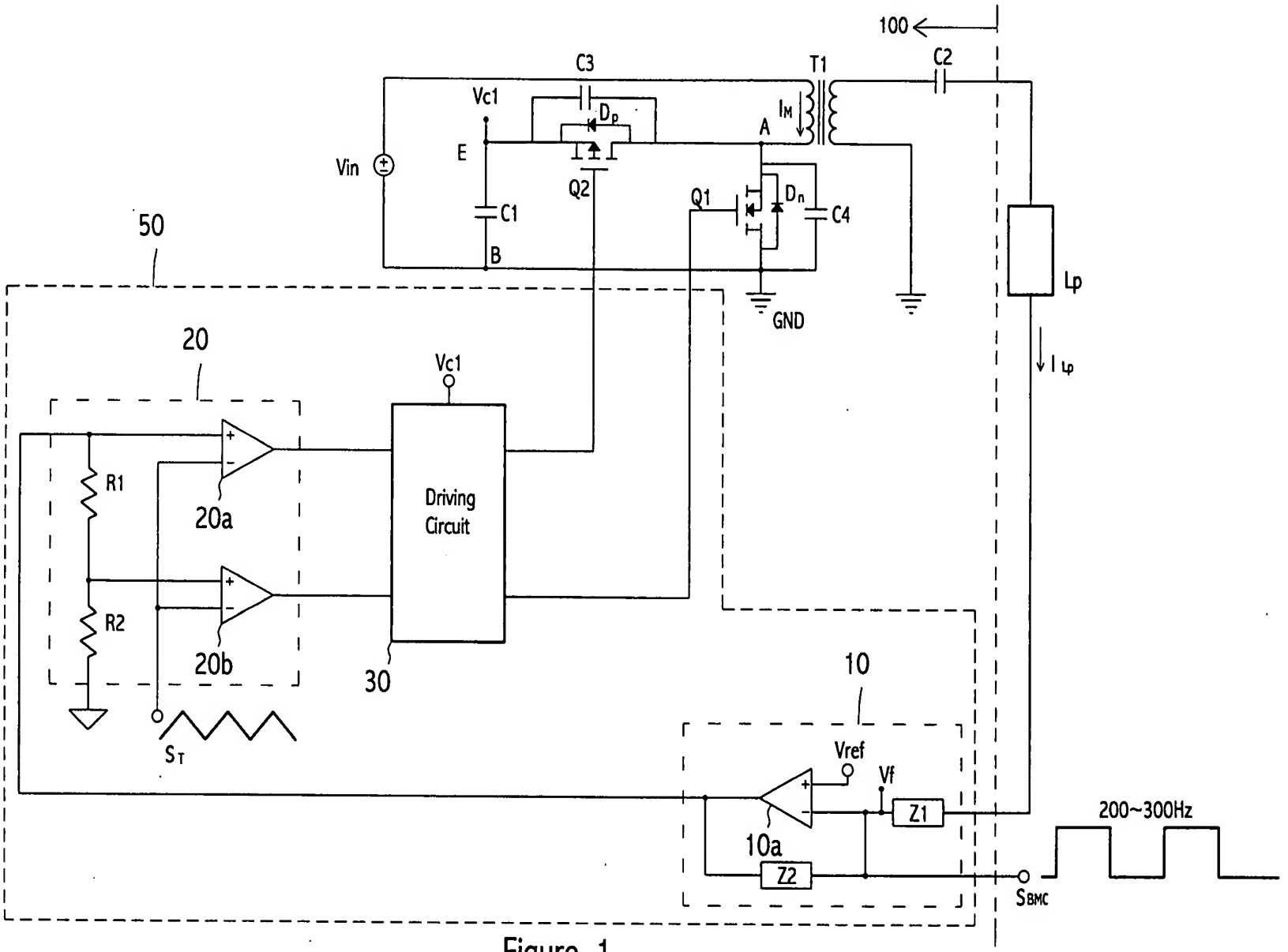
100
C3
T1
C2
Vc1
Dp
IM
A
E
Vin
Q2
Q1
Dn
C4
C1
B
GND
Lp
50
ILp
20
Vc1
R1
20a
Driving
Circuit
R2
20b
30
10
ST
Vref
Vf
Z1
200~300Hz
10a
Z2
SBMC

Figure 1

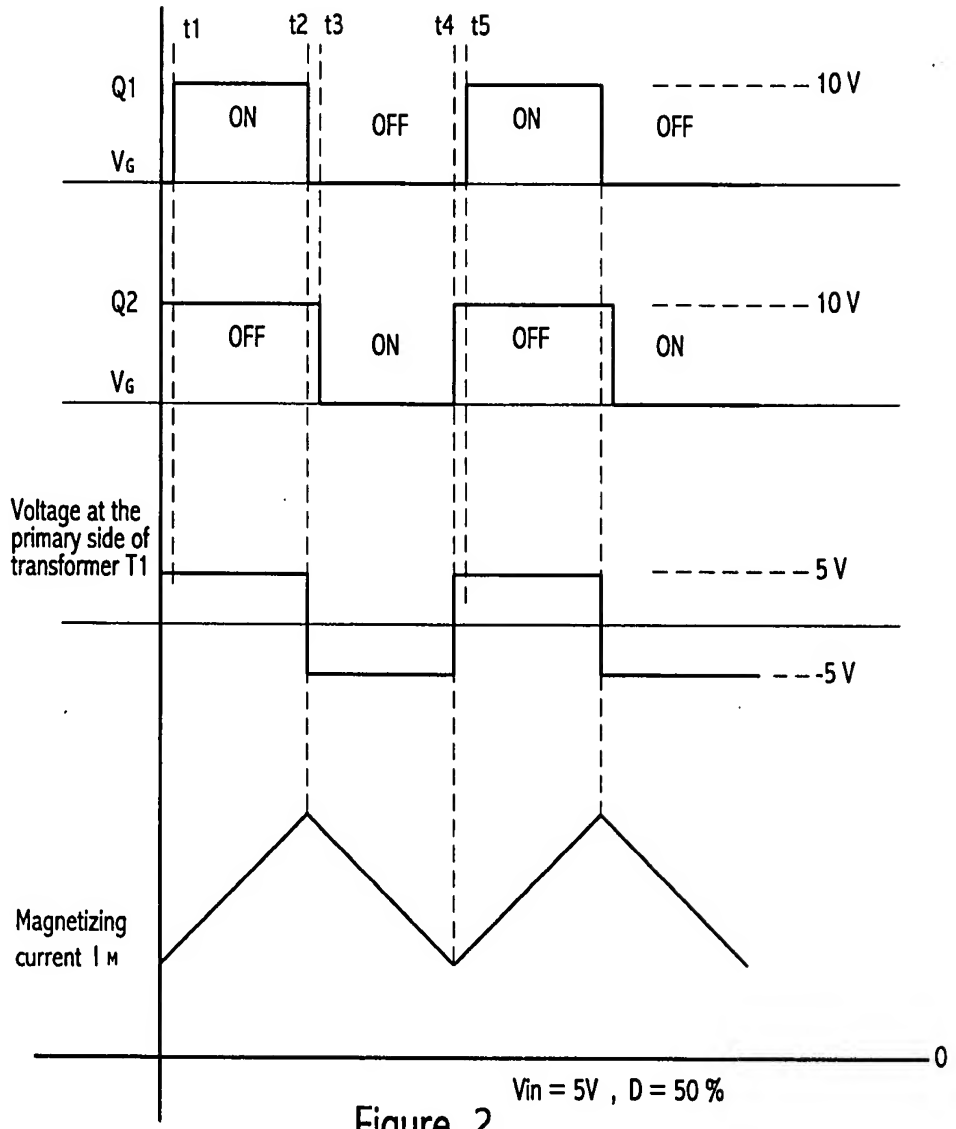
t1
t2
t3
t4
t5
Q1
ON
OFF
ON
10 V
OFF
VG
Q2
OFF
ON
OFF
10 V
ON
VG
Voltage at the primary side of transformer T1
5 V
-5 V
Magnetizing current I M
0
Vin = 5V , D = 50 %

Figure 2